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facility by a truck or the like so as to be stocked. When the spent fuel assembly is received within the cask, a holding element having a grid-like cross section called as a basket is used. The spent fuel assemblies are inserted in a plurality of cells corresponding to receiving spaces formed in the basket one by one, whereby it is possible to secure a proper holding force against a vibration during the transportation or the like.

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Please replace the paragraph at page 5, lines 5-18, with the following text:

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On the contrary, since an amount of radiation leaking out of the cask is restricted by a total amount of the neutrons and the  $\gamma$  rays, it is sufficient to reduce a thickness of the barrel main body 501 in order to lighten the cask 500. However, since it is necessary to constitute the  $\gamma$  rays shield, a thickness which secures a  $\gamma$  ray shielding function is required in a side of the barrel main body 501. Further, the cask 500 mentioned above is structured such as to be capable of receiving sixty nine fuel assemblies which have never been achieved by the conventional art, however, when the diameter of the barrel main body 501 is reduced in the structure for the purpose of achieving a predetermined weight, the receiving number of the spent fuel assemblies is reduced.

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Please replace the two paragraphs at page 6, line 12, through page 7, line 14, with the following text:

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The spent fuel assembly generates a decay heat as well as generating a radiation. The spent fuel assembly is received within the cell of the basket, however, since the inner side of the cavity of the barrel main body is formed in the shape aligning with the outer shape of the basket, the plate-like member (in particular, the square cross sectional shaped portion) in the outer side becomes in a state of being in contact with the inner surface of the cavity, when the basket is inserted within the cavity. Further, since the shape within the cavity is aligned with

the outer shape of the basket, a space between the basket and the cavity does not exist or is made very small. Accordingly, the decay heat is effectively conducted from the basket to the barrel main body via a helium gas introduced into the inner section or directly via the contact portion.

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Further, since the space within the cavity is made very little or it is not there at all, it is possible to make an outer diameter of the barrel main body small. On the contrary, when the outer diameter of the barrel main body is made in the same manner of the barrel main body as shown in Fig. 25, it is possible to form more cells. In this case, in the contact state mentioned above, it is not necessary that the inner surface of the cavity and the outer surface of the basket are completely and always in contact with each other, and the contact state includes an instance in which a slight gap exists or the inner surface of the cavity and the outer surface of the basket are temporarily detached. Further, the plate-like member mentioned above includes a hollow structure shown in a third embodiment.

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Please replace the paragraph at page 8, lines 5-20, with the following text:

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A4  
Since the basket is integrally cast, and the inner shape of the cavity in the barrel main body is aligned with the outer shape of the basket having the square cross sectional shape, the outer surface of the basket becomes in the state of being in contact with the inner surface of the cavity in the same manner as mentioned above. Further, since the shape within the cavity is aligned with the outer shape of the basket, a space between the basket and the cavity does not exist or is made very small. Accordingly, the decay heat is effectively conducted from the basket to the barrel main body via a helium gas introduced into the inner section or directly via the contact portion. Further, it is possible to reduce the outer diameter of the barrel main body. On the contrary, when the outer diameter of the barrel main body is made in the same manner that of the barrel main body as shown in Fig. 25, it is possible to form more cells.

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